

IN THE SPECIFICATION

Please amend the paragraph beginning on page 6, line 20 as follows:

As shown in Fig. 2(a), the present embedded centrifugal cooling device includes a heat sink 100, a blower or a centrifugal fan 200 and a cover 300. Among these, the heat sink 100 includes a plurality of first cooling fins 110, a plurality of second cooling fins 130, and an annular cavity 120 defined by the first cooling fins 110 and the second cooling fins 130, as shown in Fig. 2(b). The second cooling fins 130 include a lower portion 131 as shown in Fig. 3. The centrifugal fan 200 includes a hub 230, a rotary shaft 210 and a plurality of blades 220. The rotary shaft 210 is located above the lower portion 131 of the second cooling fins 130. The centrifugal fan 200 is The blades 220 are formed in the cavity 120 such that the centrifugal fan 200 is embedded into the heat sink 100. It is noted that the shape of the cavity 120 matches that of the centrifugal fan 200. In this manner, the cooling fins 110, 130 are distributed under and around the region extending from the central region to the peripheral region of the centrifugal fan 200. The heat sink 100 is made of material chosen from the group consisting of aluminum, aluminum alloy, copper, copper alloy and the combination thereof.

Please amend the paragraph beginning on page 7, line 16 as follows:

Further, the present embedded centrifugal cooling device includes a cover 300 formed over the heat sink 100 and the centrifugal fan 200. As shown in Fig. 3, the cover 300 is connected to the heat sink 100. The rotary shaft 220 extends toward the cover 300 to be away from the heat sink 100. Thus, a motor 240 for driving the rotary shaft 220 can be disposed on the cover 300 to be away from the heat sink 100. As a result, heat generated from the motor does not conduct to the heat sink 100, thus enhancing heat-dissipating efficiency of the heat sink 100. The cover 300 serves as an air seal to keep the present embedded centrifugal cooling device airtight substantially.

In this manner, the coolant air generated by the centrifugal fan 200 can blow substantially the total length of the cooling fins 110,130 and then exhaust in the outer periphery of the cooling fins 110,130.

IN THE DRAWINGS

Applicants respectfully present herewith replacement Figures 2(a) and 3 which include the desired changes, without markings, and which comply with 37 C.F.R. §1.84. The changes made to Figures 2(a) and 3 are explained in the accompanying Remarks section below.